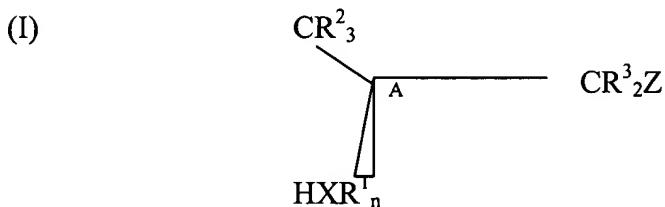


Amendments to the Claims:

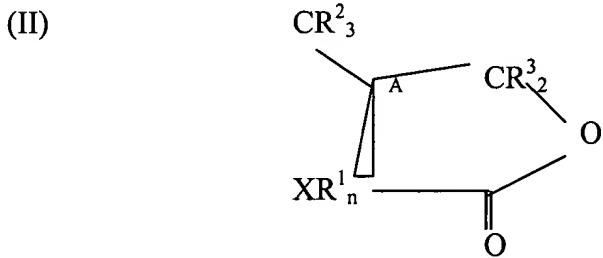
The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (original): Process for the preparation of enantiomerically pure compounds of formula I:



comprising contacting a compound of formula II:



with a source of hydrogen at ambient temperature and elevated pressure in the range 1 – 10 atm for a period which is other than 2 hours or less (proviso taking basis from D3); alternatively for a period of 43 hours (taking basis from Examples); alternatively for a period in the range 43 to 93 hours (taking basis from examples) in the presence of a hydrogenation catalyst which is homogeneous or heterogeneous and comprises a metal selected from the transition metals of Group VIII of the Periodic Table of the Elements and a catalytic support; or

with a source of fluorine as a fluorination agent which comprises gaseous or liquid phase HF and a carrier, at temperature in the range 0 – 20C and ambient pressure for a period of 24 hours

wherein A is an enantiomerically pure centre CH; Z is hydrogen or fluoro
X is selected from oxygen, sulphur and nitrogen and n is selected from 0 and 1 and is equal to the valence of X less 2; and
R¹ to R³ are as defined below

and wherein each R¹ is independently selected from hydrogen or from straight chain or branched, saturated or unsaturated C₁₋₈ hydrocarbon optionally substituted by one or more hydroxy, halo, aryl, cyclo C₁₋₈ alkyl;

each R³ is independently selected from hydrogen or halo; and straight and branched chain, saturated and unsaturated C₁₋₄ alkyl, alkenyl and alkynyl and aryl;

each optionally substituted by hydroxy, halo, saturated or unsaturated C₁₋₄ alkyl, alkenyl or alkynyl, aryl, cyclo C₁₋₆ alkyl, carbonyl, carboxyl, amino, amido;

each R² is independently selected from hydrogen, straight chain and branched, saturated and unsaturated C₁₋₈ alkyl, optionally substituted by hydroxy, halo, aryl, cyclo C₁₋₆ alkyl, carbonyl, carboxyl, amino, amido.

Claim 2 (original): Process as claimed in Claim 1 wherein X is nitrogen whereby n is 1.

Claim 3 (previously presented): Process as claimed in Claim 1 wherein R³ is selected from ethenyl, ethynyl and optionally substituted phenyl.

Claim 4 (previously presented): Process as claimed in Claim 1 wherein at least one and preferably both of R³ are aryl.

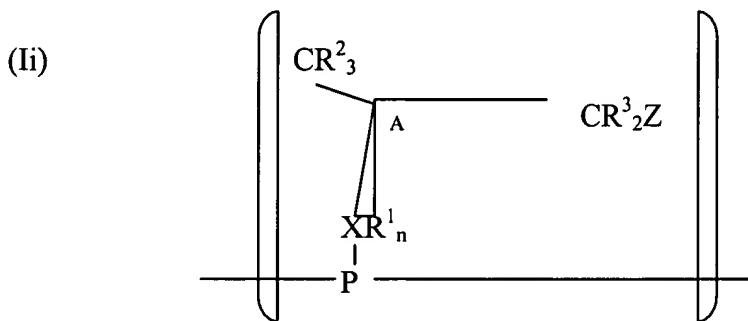
Claim 5 (previously presented): Process as claimed in Claim 1 wherein R² is selected from optionally hydroxy, halo or alkoxy substituted branched and straight chain C₁₋₆ alkyl, including methyl, ethyl, i-propyl, i-butyl, t-butyl; and aryl including phenyl and benzyl.

Claim 6 (previously presented): Process as claimed in Claim 1 wherein X is nitrogen wherein n is 1 and R¹ is H, i.e. the compound is a primary amine.

Claim 7 (previously presented): Process as claimed in Claim 1 wherein a catalyst comprises Pd with C as catalytic support.

Claim 8 (previously presented): Process as claimed in Claim 1 wherein a fluorination agent is liquid phase HF-pyridine.

Claim 9 (previously presented): Process for preparation of enantiomerically pure polymer comprising a repeating unit of the formula II:



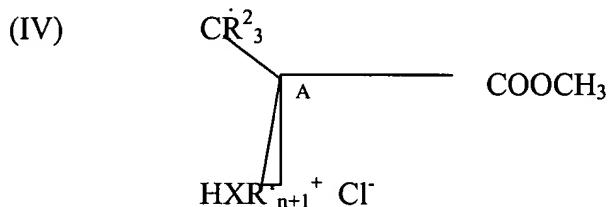
wherein P is derived from a polymerisable monomer or oligomer and X, R¹, R², R³, Z and A are as hereinbefore defined in Claim 1; and

wherein a polymerisable monomer is selected from the group consisting of: an epoxy resin; an addition-polymerisation resin; a formaldehyde condensate resin; a cyanate resin; and an isocyanate resin; polyaromatics; monomers of natural polymers including carbohydrates, polypeptides and proteins including starch, celluloses, collagen, gelatin, dextrans, alginates, chitin

and chitosan; and monomers of biodegradeable and/or biocompatible polymers including poly(lactic acid), poly(glycolic acid), polycaprolactone, polyorthoesters, polyanhydrides, polyaminoacids and azo polymers; and mixtures thereof.

Claim 10 (previously presented): Process for preparation of a library of enantiomerically pure compounds comprising:

reacting one or more compounds of formula IV

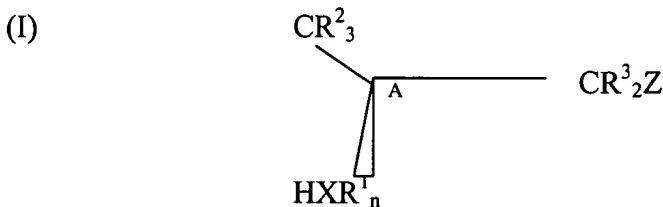


Wherein R^1 , R^2 and A are as hereinbefore defined in Claim 1

with a plurality of compounds of formula V R^2MgBr , and converting via compounds of formula II as hereinbefore defined in Claim 1 to compounds of formula I as hereinbefore defined in Claim 1; and

optionally labelling the support or vessel with means to identify the synthetic history of the supported or contained compound.

Claim 11 (currently amended): An enantiomerically pure compound of the formula I as ~~hereinbefore defined in Claim 1~~ wherein A , Z and R^1 to R^3 are as hereinbefore defined, X is N and n is 1.



wherein A is an enantiomerically pure centre CH; Z is hydrogen or fluoro;

and wherein R¹ is selected from hydrogen or from straight chain or branched, saturated or unsaturated C₁₋₈ hydrocarbon optionally substituted by one or more hydroxy, halo, aryl, cyclo C₁₋₈ alkyl;

each R³ is independently selected from hydrogen or halo; or straight or branched chain, saturated or unsaturated C₁₋₄ alkyl, alkenyl, alkynyl or aryl;

each optionally substituted by hydroxy, halo, saturated or unsaturated C₁₋₄ alkyl, alkenyl or alkynyl, aryl, cyclo C₁₋₆ alkyl, carbonyl, carboxyl, amino, amido;

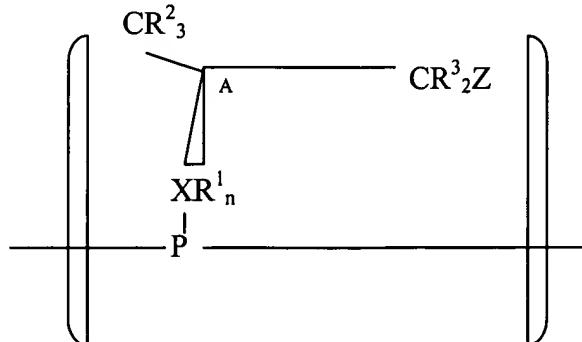
each R² is independently selected from hydrogen, straight chain or branched, saturated or unsaturated C₁₋₈ alkyl, optionally substituted by hydroxy, halo, aryl, cyclo C₁₋₆ alkyl, carbonyl, carboxyl, amino, amido, or aryl; and

one R¹ and one of R² together may form an alkylene group as part of a heterocyclic ring;

with the proviso that when two of R² are hydrogen, CR³₂ is CPh₂ and Z is hydrogen, R¹ and the other R² do not form together a five membered heterocyclic (pyrrolidone) ring.

Claim 12 (previously presented): Enantiomerically pure polymer comprising a repeating unit of the formula II:

(II)



wherein P is derived from a polymerisable monomer or oligomer selected from the group consisting of: an epoxy resin; an addition-polymerisation resin; a formaldehyde condensate resin; a cyanate resin; and an isocyanate resin; polyaromatics; monomers of natural polymers including carbohydrates, polypeptides and proteins including starch, celluloses, collagen, gelatin, dextrans, alginates, chitin and chitosan; and monomers of biodegradeable and/or biocompatible polymers including poly(lactic acid), poly(glycolic acid), polycaprolactone, polyorthoesters; and

X, R¹, R², R³, Z and A are as hereinbefore defined In Claim 1.

Claim 13 (previously presented): Library of enantiomerically pure compounds of formula I as hereinbefore defined in Claim 11.

Claim 14 (previously presented): Pharmaceutical, veterinary product or agrochemical composition comprising an enantiomerically pure compound of formula I, II or III as hereinbefore defined in Claim 11 with suitable diluents, adjuvants, carriers.

Claim 15 (new): The compound as claimed in claim 11, wherein R³ is selected from a group consisting of ethenyl, ethynyl and optionally substituted phenyl.

Claim 16 (new): The compound as claimed in claim 11, wherein at least one R³ is aryl.

Claim 17 (new): The compound as claimed in claim 11, wherein R² is selected from a group consisting of optionally hydroxyl, halo or alkoxy substituted branched and straight chain C₁₋₆ alkyl, including methyl, ethyl, i-propyl, i-butyl, t-butyl; and aryl.

Claim 18 (new): The compound as claimed in claim 11, wherein X is nitrogen, n is 1 and R¹ is H.

Claim 19 (new): The compound as claimed in claim 11, wherein each R² is independently selected from hydrogen or aryl.

Claim 20 (new): The compound as claimed in claim 11, wherein at least one R³ is aryl.

Claim 21 (new): The compound as claimed in claim 11, wherein R² is phenyl or benzyl.

Claim 22 (new): The compound as claimed in claim 11, wherein R¹ is hydrogen, CR²₃ is CH₂Ph, CR³₂ is CPh₂ and Z is hydrogen, as showed in the formula III:

(III)

